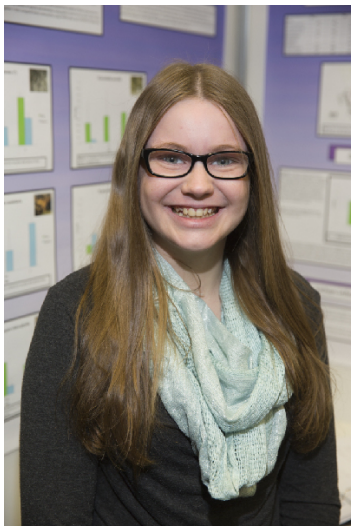
CWSF 2016 - Montreal, Quebec



Rachel Cuell

Climate Change: Time to be Enlichened

Challenge: Environment
Category: Intermediate
Region: Pacific Northwest
City: Smithers, BC
School: Smithers Secondary
Abstract: In response to climate change, mountain pine beetles have killed most of BC's pine trees. I compared lichens on pine and spruce trees to examine implications of this loss of habitat. Lichens are important ecologically: caribou eat some species; others fix nitrogen. I found that lichen communities differed and that three species were primarily found on pine. Climate change is indirectly affecting BC's lichen populations.

Biography

My name is Rachel and I'm from northwest BC. My interests, other than science, are reading, swimming, and running. I swim with my local swim team and I run with my track and field team. The inspiration for my science fair project this year came from the changing climate. I investigated the impacts global warming could have on organisms in the boreal forest. Further investigations for my project could include testing in different places other than local areas. If you're planning on doing a science fair project, I strongly advise it. It's incredibly interesting and being chosen to attend the Canada-Wide Science Fair is an amazing bonus.

Awards	Value
Excellence Award - Intermediate - Silver Medal Sponsor: Youth Science Canada	
Western University Scholarship Silver Medallist - $2000 Entrance Scholarship Sponsor: Western University	$2 000
Total	$2 000